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## JABAL HAMZI, EGYPT

1. THE UAR, ASSISTED BY SOME 75 TO 80 WEST GERMAN TECHNICIANS, IS DEVELOPING TWO SURFACE-TO-SURFACE MISSILES---THE VICTOR (AL ZAFIR) AND THE CONQUEROR (AL QAHR). THE VICTOR, WHICH IS BASED ON THE FRENCH VERONIQUE SOUNDING ROCKET, APPEARS CAPABLE OF DELIVERING A 500-POUND PAYLOAD TO A RANGE OF APPROXIMATELY 175 NAUTICAL MILES. THE LARGER CONQUEROR MISSILE IS PROBABLY CAPABLE OF DELIVERING AS MUCH AS 2,000 POUNDS TO ABOUT 200 NAUTICAL MILES.
2. THE JABAL HAMZI TEST RANGE FROM WHICH ALL KNOWN UAR MISSILE FLIGHT TESTING HAS BEEN DONE IS LOCATED APPROXIMATELY 33 NM WNW OF CAIRO, AND APPROXIMATELY 10 NM WSW OF THE ABANDONED JABAL HAMZI AIRFIELD.
3. ON 21 JULY 1962, REPRESENTATIVES OF THE PRESS WITNESSED THE FIRING OF TWO VICTOR AND TWO CONQUEROR MISSILES FROM A SITE IN THE DESERT NORTHWEST OF CAIRO. TWO DAYS LATER, TEN OF EACH TYPE WERE DISPLAYED IN A PARADE CELEBRATING THE TENTH ANNIVERSARY OF THE EGYPTIAN REVOLUTION.
4. COLLATERAL REPORTS THAT DURING THE SUMMER OF 1964, APPROXIMATELY 12 MISSILE TEST FIRINGS WERE MADE FROM THE JABAL HAMZI RANGE. THESE FIRINGS INCLUDED BOTH THE CONQUEROR AND VICTOR SINGLE-STAGE VEHICLES,

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AND THE TWO-STAGE PIONEER. THERE WERE ADDITIONAL VICTOR FIRINGS ON APPROXIMATELY 12 AND 14 NOVEMBER 1964. FOUR ADDITIONAL LAUNCHES REPORTEDLY TOOK PLACE DURING THE SECOND HALF OF DECEMBER 1964. A U.S. NATIONAL, WHO IS AN EXECUTIVE IN A U.S. ELECTRONICS FIRM, WITNESSED THE TEST-FIRING OF THE SECOND STAGE OF A UAR MISSILE AT JABAL HAMZI, ON EITHER 13 OR 14 NOVEMBER 1964. HE DESCRIBED THE MISSILE AS BEING SIMILAR TO THE VICTOR MISSILE WHICH HE HAD SEEN IN A PHOTOGRAPH. AN ADAPTED VICTOR MISSILE FORMS THE SECOND STAGE OF THE TWO-STAGE PIONEER MISSILE.

5. THIS INSTALLATION WAS FIRST OBSERVED [REDACTED] AT WHICH TIME IT WAS IDENTIFIED AS A MISSILE TEST AND LAUNCH FACILITY. THE FACILITY CONTAINED A 125 FT DIAMETER CIRCULAR LAUNCH PAD, A DRIVE-THROUGH BUILDING, 4 SMALL PARALLEL BUILDINGS, A POSSIBLE CONTROL BUNKER, AND AN ENGINE TEST STAND. THE INSTALLATION WAS NOT PRESENT ON TALENT PHOTOGRAPHY OF NOVEMBER 1959.
6. BETWEEN JUNE 1963 AND AUGUST 1965, 8 KH MISSIONS REVEALED INTERMITTENT CONSTRUCTION ACTIVITY. [REDACTED] IDENTIFIED THE PREVIOUSLY REPORTED CIRCULAR LAUNCH PAD AS A ROAD JUNCTION.
7. THE GOOD QUALITY PHOTOGRAPHY OF THIS MISSION PERMITS A DESCRIPTION AND IDENTIFICATION OF SEVERAL FEATURES NOT PREVIOUSLY REPORTED. THE

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FACILITY CONTAINS A COMBINATION LAUNCH/TEST STAND OF UNUSUAL DESIGN. THE STAND IS A DARK COLORED, MASSIVE CONCRETE STRUCTURE OVERHANGING THE SLOPE OF A LOW HILL. AN UNUSUALLY LONG FLAME BUCKET PROJECTS FROM BENEATH THE FLOOR TOWARD THE NE. A TIE DOWN POSITION LOCATED NEAR THE NE EDGE OF THE STAND APPEARS TO BE RAISED ABOVE THE FLOOR. THE LACK OF MASSIVE SUPERSTRUCTURE NORMALLY FOUND ON ENGINE TEST STANDS IS PROBABLY INDICATIVE OF THE DUAL PURPOSE OF THE STAND. A DARK X-SHAPED MARK IS LOCATED APPROXIMATELY 440 FT TO THE SW AT THE END OF A RAMP LEADING TO THE FLOOR OF THE STAND. TWO OTHER SUCH MARKS ARE ALSO OBSERVED IN THE AREA, AND ARE ALIGNED WITH THE FIRST MARK IN A GENERALLY WNW LINE. THE SUPPORT AREA CONTAINS A LARGE IRREGULAR-SHAPED OPERATIONS/ADMINISTRATION BUILDING, 4 SMALL PARALLEL QUONSET BUILDINGS, 1 RECTANGULAR SUPPORT BUILDING, 1 L-SHAPED PROBABLE CHECKOUT BUILDING, 4 BUILDING FOUNDATIONS, 13 OTHER SUPPORT BUILDINGS AND 3 SMALL BUILDINGS UNDER CONSTRUCTION.

A POSSIBLE MISSILE ON A TRANSPORTER IS LOCATED NEAR THE NE END OF THE L-SHAPED CHECKOUT BUILDING. THE MISSILE APPEARS AS A WHITE OBJECT  WITH 2 BLACK STRIPES PAINTED AROUND THE BODY NEAR THE ENGINE END. THE MISSILE GIVES THE APPEARANCE OF HAVING UNUSUALLY LARGE FINS.

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